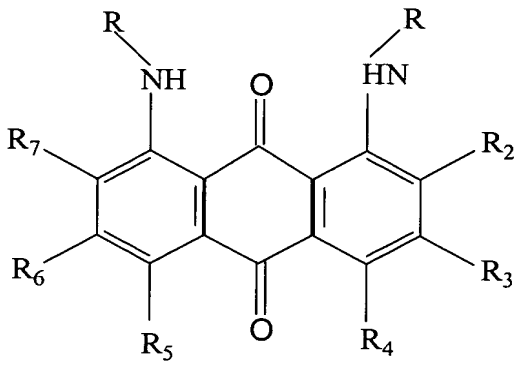
COLORED POLYMERIC RESIN COMPOSITION, ARTICLE MADE THERFROM, AND METHOD FOR MAKING THE SAME

ABSTRACT

[0071] In one embodiment, a colored polymeric resin composition, comprises: a polymeric resin; and a 1,8-anthraquinone derivative having a purity of greater than or equal to about 90 wt% and having a Formula (VIII):



(VIII)

wherein R_2 - R_7 are, individually, selected from the group consisting of a hydrogen atom, a hydroxyl group, an alkoxy group, an aryloxy group, an aliphatic group, an aromatic group, a heterocyclic group, a halogen atom, a cyano group, a nitro group, --COR_9, --$COOR_9$, --NR_9R_{10}, --$NR_{10}COR_{11}$, --$NR_{10}SO_2R_{11}$, --$CONR_9R_{10}$, --$CONHSO_2R_{11}$, and --SO_2NHCOR_{11}; in which R_9 and R_{10} are, individually, selected from the group consisting of a hydrogen atom, an aliphatic group, an aromatic group, and a heterocyclic group; wherein R_{11} is selected from the group consisting of an aliphatic group, an aromatic group, and a heterocyclic group; and wherein R is selected from the group consisting of hydrogen, an alkyl group containing 1 to 20 carbon atoms, a cycloalkyl group containing 3 to 20 carbon atoms, an allyl group containing 3 to 20 carbon atoms, a hydroxyl group, a 5- membered heterocyclic ring, and a 6- membered heterocyclic ring.